



PCT09

PATENT APPLICATION: US/09/914,020

THE MECHANISM OF ACTION OF

FILE: N:\CRF3\02072002\1914020.raw

ENTERED

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      1-APPLICANT: J.L. VOGTNA  

      2-Martin, Linda D.  

      3-Kenneth, Adler B.  

      7(12)-TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MUCUS SECRETION  

      8(13) FILE REFERENCE: 6061 481IP  

C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/914,020  

C--> 12 <141> CURRENT FILING DATE: 2001-12-31  

     14-10 PRIOR APPLICATION NUMBER: US 09/186,114  

     15-101 PRIOR FILING DATE: 1999-12-14  

     16-101 NUMBER OF SEQ ID NOS: 1  

     17-101 SOFTWARE: Patent version 3.1  

    21-111 SEQ ID NO.: 1  

    22-111 LENGTH: 14  

    23-111 TYPE: PRT  

    24-113 ORGANISM: Homo Sapiens  

    25-400 SEQUENCE: 1  

   26 Gly Ala Gln Thr Ser Lys Thr Ala Ala Lys Gly His Ala Ala Ala Gln  

   29 |             |           ||          ||  

   31 Arg Lys Gly Glu Ala Ala Val Ala  

   33 |  

   36-111 SEQ ID NO.: 2  

   37-111 LENGTH: 29  

   38-111 TYPE: PRT  

   39-113 ORGANISM: Homo Sapiens  

   41-40 SEQUENCES: 1  

   42 Ile Lys Lys Lys Lys Asp Thr Ser Thr Lys Lys Ser Thr Lys Leu Ser  

   45 |               |         ||       ||  

   47 Gly Thr Asn Thr Lys Lys Asn Lys Lys  

   49 |  

   51-111 SEQ ID NO.: 3  

   52-111 LENGTH: 1000  

   53-111 TYPE: tna  

   54-113 ORGANISM: Homo Sapiens  

   55-111 FEATURES:  

   56-111 NAME FFY: TTY  

   57-111 LOCATING INFORMATION:  

   58-111 OTHER INFORMATION:  

   59-111 SEQUENCE: 3  


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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/914,020

DATE: 02/07/2002
 TIME: 09:45:03

Input Set : A:\sequence.ST25.txt

Output Set: N:\CRF3\02072002\I914020.raw

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135 Thr Lys Ala Ala Glu Glu Pro Ser Lys Val Glu Glu Lys Lys Ala Glu
136 255 260 265 270
141 gag gcc ggg gcc agc gcc gcc gcc tgc gac gcc gcc tgc gcc gcc gcc 1166
142 Glu Ala Gly Ala Ser Ala Ala Ala Cys Glu Ala Pro Ser Ala Ala Gly
143 275 280 285
145 ctg gtg tgc ccc cgg aga gga gcc agc ccc cgc gga gga gcc gcc gcc 1214
146 Leu Val Cys Pro Arg Arg Gly Gly Ser Pro Arg Gly Gly Ala Arg Gly
147 290 295 300
149 gcc gcc agc ctc aat gaa gcc tgc gaa gcc gcc tca gag gac gcc cag 1262
150 Arg Arg Ser Leu Asn Glu Ala Cys Ala Ala Pro Ser Glu Glu Ala Glu
151 305 310 315
153 gcc gag tgc agt cca gaa gcc gcc cca gcc gag gcc gca gag taa 1317
154 Pro Glu Cys Ser Pro Glu Ala Pro Pro Ala Glu Ala Ala Glu
155 320 325 330
157 aagagcaagc ttttgtgaga taatgaaga acattttctc ccccgtttgt ttggttggag 1367
159 tgggtgccagc tactggattt tggagaactt gtctacaacc agcgattgat tttaaagatg 1427
161 ttttttttta ttttactttt ttttaagcac caaattttgt tgtttttttt ttctcccttc 1487
163 cccacagatc ccattctaaa tcattctgtt aaccaccatt ccaacagggc gacacagact 1547
165 taacacactt cttctctcgg ccttctctct cttttattt ttattttttt ccattcagtat 1607
167 taatgtttt gcatacttgg catctttatt caaaagtgtt aactttctt gtcaatctat 1667
169 ggaca'gccc atatatgaag gacatgggtg ggtcaaaaaa ggata'caaa tgaagtata 1727
171 cccgtcacia 'ggggaaat' gaag'gggc ataacatttc caaaatagtg tgcactaga 1787
173 aatgctctaa aggtg'ctt' tttttttt tttaaagaaa agttattacc atgtatttg 1847
175 tgaggcaggt ttataacact acaactcgtg cagaattc 1888
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 332
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo Sapiens
180 <400> SEQUENCE: 4
185 Met Gly Ala Glu Phe Ser Lys Thr Ala Ala Lys Gly Glu Ala Ala Ala
186 1 5 10 15
189 Glu Arg Pro Gly Glu Ala Ala Val Ala Ser Ser Pro Ser Lys Ala Asn
190 20 25 30
193 Gly Glu Glu Asn Gly His Val Lys Val Asn Gly Asp Ala Ser Pro Ala
194 35 40 45
197 Ala Ala Glu Ser Gly Ala Lys Glu Glu Leu Glu Ala Asn Gly Ser Ala
198 50 55 60
201 Pro Ala Ala Asp Lys Glu Glu Pro Ala Ala Ala Gly Ser Gly Ala Ala
202 65 70 75 80
205 Ser Pro Ser Ala Ala Glu Lys Gly Glu Pro Ala Ala Ala Ala Ala Pro
206 85 90 95 100
209 Ala Ala Gly Ala Ser Pro Val Glu Lys Glu Ala Pro Ala Glu Gly Glu
210 105 110 115 120
213 Ala Ala His Pro Gly Ser Pro Thr Ala Ala Glu Gly His Ala Ala Ser
214 125 130 135 140
217 Ala Ala Ser Ser Thr Ser Ser Pro Lys Ala Glu Asp Gly Ala Thr Pro
218 145 150 155 160
221 Asp Glu Asp Asn Glu Thr Ser Lys Lys Lys Lys Lys Ala His Ser His
222 165 170 175 180

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/914,020

DATE: 1/17/74
PAGE: 14/14

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Input Set : A:\sequence.ST25.txt
Output Set : N:\CRF3\02072002\1914020.raw
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127	Lys	Lys	Ser	Phe	Lys	Leu	Ser	Gly	Phe	Ser	Phe	Lys	Lys	Asp	Lys	Lys
128					162				163						164	
129	Glu	Ala	Gly	Glu	Gly	Gly	Glu	Ala	Glu	Ala	Pro	Ala	Ala	Glu	Gly	Gly
130					183				185					186		
131	Lys	Asp	Glu	Ala	Ala	Gly	Gly	Ala	Ala	Ala	Ala	Ala	Ala	Glu	Ala	Gly
132					195				196					197		
133	Ala	Ala	Ser	Gly	Glu	Glu	Ala	Ala	Pro	Gly	Glu	Glu	Ala	Ala	Ala	
134					211				212					213		
135	Gly	Glu	Glu	Gly	Ala	Ala	Gly	Gly	Asp	Ser	Glu	Glu	Ala	Lys	Pro	Glu
136					230				231					232		
137	Glu	Ala	Ala	Ala	Val	Ala	Pro	Glu	Lys	Pro	Pro	Ala	Ser	Asp	Glu	Thr
138					245				246					247		
139	Ala	Ala	Glu	Glu	Pro	Ser	Lys	Val	Glu	Glu	Lys	Lys	Ala	Glu	Glu	Ala
140					260				261					262		
141	Gly	Ala	Ser	Ala	Ala	Ala	Cys	Glu	Ala	Pro	Ser	Ala	Ala	Gly	Leu	Val
142					275				276					277		
143	Cys	Pro	Arg	Arg	Gly	Gly	Ser	Pro	Arg	Gly	Gly	Ala	Arg	Gly	Arg	Arg
144					290				291					292		
145	Ser	Leu	Asn	Glu	Ala	Cys	Ala	Pro	Ser	Glu	Glu	Ala	Glu	Pro	Glu	
146					310				311					312		
147	Cys	Ser	Pro	Glu	Ala	Pro	Pro	Ala	Glu	Ala	Ala	Glu				
148					325				326					327		

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0000000000000000 SEQUENCE: 1
0000000000000000 LENGTH: 2869
0000000000000000 TYPE: DNA
0000000000000000 ORGANISM: H. P. Sapiens
0000000000000000 FEATURE
0000000000000000 NAME/KEY: CDS
0000000000000000 LOCATION: (377)..(1369)
0000000000000000 OTHER INFORMATION:
0000000000000000 SEQUENCE: 1

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[illegible]

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/914,020

DATE: 12/1/2002

TIME: 13:45:14

Input Set : A:\sequence.ST25.txt

Output Set : N:\CRF3\02072002\I914020.raw

Diff M221: Current Application Number differs Replaced Current Application Number
Diff M221: Current Filing Date differs Replaced Current Filing Date